



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR*	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/808,224	03/23/2004	Cherng Linn Teo	200313679-1	5031

22879	7590	10/18/2007
HEWLETT PACKARD COMPANY		
P O BOX 272400, 3404 E. HARMONY ROAD		
INTELLECTUAL PROPERTY ADMINISTRATION		
FORT COLLINS, CO 80527-2400		

EXAMINER	
MORRISON, THOMAS A	

ART UNIT	PAPER NUMBER
3653	

MAIL DATE	DELIVERY MODE
10/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/808,224

Applicant(s)

TEO ET AL.

Examiner

Thomas A. Morrison

Art Unit

3653

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8/8/2007 has been entered.

Claim Objections

2. Claim 18 is objected to because of the following informalities: (1) "linefeed roller-assembly" in line 26 of claim 18 should be -- linefeed-roller assembly --. Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 18-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 18 recites the limitation "the linefeed rollers" in line 9. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 18-22, as best understood, are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Publication No. 2006/0164491.

Regarding claim 18, Figs. 1-8 show an inkjet printer (numbered paragraph [0046]) comprising:

a printhead (4) for printing a media sheet;

a front duplex module (including 10, 12, 11, 13, 14, 15, 26, 27, 22, 25, 1, 2, 30, 3, 5, 21, 28, 41, 42, 43, and 44) comprising: (i) a media path entry (near 22) where a media sheet to be printed can enter; (ii) a linefeed-roller assembly (including 13 and 27) configured to transport the media sheet entering the media path entry (near 22) toward the printhead (4) to enable printing on a first side of the media sheet; (iii) an output-roller assembly (elements 42 and 43, or alternatively, element 28) configured to advance the media sheet in a forward direction or to reverse the media sheet in a reverse direction, wherein a simplex media path is defined between the linefeed rollers (including 13 and 27) and the output-roller assembly (elements 42 and 43, or alternatively, element 28), and the printhead (4) is positioned downstream from the linefeed-roller assembly

Art Unit: 3653

(including 13 and 27) along the simplex media path but upstream from the output roller assembly (elements 42 and 43, or alternatively, element 28); and

a back duplex module (including 51) detachably coupled (numbered paragraph [0067]) to the front duplex module (including 10, 12, 11, 13, 14, 15, 26, 27, 22, 25, 1, 2, 30, 3, 5, 21, 28, 41, 42, 43, and 44), the back duplex module (including 51) being configured to provide a single, unidirectional loop path for flipping the media sheet one time to thereby enable printing on a second side of the media sheet, wherein the loop path has an entry portion (near 23) that is positioned next to the media path entry (near 22) for receiving the media sheet from the front duplex module (including 10, 12, 11, 13, 14, 15, 26, 27, 22, 25, 1, 2, 30, 3, 5, 21, 28, 41, 42, 43, and 44) and an exit portion (below 22) that is aligned to the simplex media path,

wherein the front duplex module (including 10, 12, 11, 13, 14, 15, 26, 27, 22, 25, 1, 2, 30, 3, 5, 21, 28, 41, 42, 43, and 44) and the back duplex module (including 51) are configured to provide a duplex media path that includes the loop path, and a duplex path entry (near 25) that is positioned adjacent to the output-roller assembly (elements 42 and 43, or alternatively, element 28) but downstream (i.e., downstream in the reverse feeding direction to the left in Fig. 1) from the printhead (4) so as to enable a trailing edge of the media sheet to enter the duplex media path, and

wherein a portion of the linefeed-roller assembly (including 13) is positioned adjacent to the duplex media path such that, after the trailing edge of the media sheet entered through the duplex path entry (near 25), the trailing edge must bypass the

portion of the linefeed roller-assembly (including 13) and the media path entry (near 22) before entering the loop path.

Regarding claim 19, Figs. 1-8 show that the linefeed-roller assembly (including 27) and the output-roller assembly (28) are coupled to each other to provide a coordinated control for handling the media sheet.

Regarding claim 20, Figs. 1-8 show that the back duplex module (including 51) comprises a duplex roller (42 or 28) arranged to advance the media sheet along the loop path toward the linefeed-roller assembly (including 13 and 27).

Regarding claim 21, Figs. 1-8 show that the back duplex module (including 51) comprises two duplex rollers (28 and 42) arranged to advance the media sheet along the loop path toward the linefeed-roller assembly (including 13 and 27).

Regarding claim 22, Figs. 1-8 show that the front duplex module (including 10, 12, 11, 13, 14, 15, 26, 27, 22, 25, 1, 2, 30, 3, 5, 21, 28, 41, 42, 43, and 44) further comprises a pair of transfer rollers (22 and 25) arranged along the duplex media path to advance the media sheet along the duplex media path.

Response to Arguments

5. Applicant's arguments with respect to claims 18-22 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas A. Morrison whose telephone number is (571) 272-7221. The examiner can normally be reached on M-F, 8am - 5pm.

Art Unit: 3653

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Mackey can be reached on (571) 272-6916. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

10/12/2007


PATRICK MACKEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600